

Hans-Peter Hammes

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

65
papers

1,542
citations

20
h-index

38
g-index

70
ext. papers

1,950
ext. citations

6
avg, IF

5.01
L-index

#	Paper	IF	Citations
65	Diabetic retinopathy: targeting vasoregression. <i>Diabetes</i> , 2011 , 60, 9-16	0.9	244
64	Pericyte migration: a novel mechanism of pericyte loss in experimental diabetic retinopathy. <i>Diabetes</i> , 2008 , 57, 2495-502	0.9	176
63	Diabetic retinopathy: hyperglycaemia, oxidative stress and beyond. <i>Diabetologia</i> , 2018 , 61, 29-38	10.3	118
62	Carnosine prevents apoptosis of glomerular cells and podocyte loss in STZ diabetic rats. <i>Cellular Physiology and Biochemistry</i> , 2011 , 28, 279-88	3.9	86
61	Inhibition of soluble epoxide hydrolase prevents diabetic retinopathy. <i>Nature</i> , 2017 , 552, 248-252	50.4	82
60	Risk Factors for Retinopathy and DME in Type 2 Diabetes-Results from the German/Austrian DPV Database. <i>PLoS ONE</i> , 2015 , 10, e0132492	3.7	68
59	A truncated polycystin-2 protein causes polycystic kidney disease and retinal degeneration in transgenic rats. <i>Journal of the American Society of Nephrology: JASN</i> , 2006 , 17, 2719-30	12.7	54
58	HbA1c variability as an independent risk factor for diabetic retinopathy in type 1 diabetes: a German/Austrian multicenter analysis on 35,891 patients. <i>PLoS ONE</i> , 2014 , 9, e91137	3.7	54
57	Vasoregression linked to neuronal damage in the rat with defect of polycystin-2. <i>PLoS ONE</i> , 2009 , 4, e7338	3.7	45
56	Homeostatic nuclear RAGE-ATM interaction is essential for efficient DNA repair. <i>Nucleic Acids Research</i> , 2017 , 45, 10595-10613	20.1	37
55	The DPP4 Inhibitor Linagliptin Protects from Experimental Diabetic Retinopathy. <i>PLoS ONE</i> , 2016 , 11, e0167853	3.7	37
54	High tissue glucose alters intersomitic blood vessels in zebrafish via methylglyoxal targeting the VEGF receptor signaling cascade. <i>Diabetes</i> , 2015 , 64, 213-25	0.9	36
53	Mesenchymal stromal/stem cells as potential therapy in diabetic retinopathy. <i>Immunobiology</i> , 2018 , 223, 729-743	3.4	35
52	Gasotransmitters in Vascular Complications of Diabetes. <i>Diabetes</i> , 2016 , 65, 331-45	0.9	33
51	Systemic treatment with erythropoietin protects the neurovascular unit in a rat model of retinal neurodegeneration. <i>PLoS ONE</i> , 2014 , 9, e102013	3.7	28
50	Impaired Retinal Vessel Dilation Predicts Mortality in End-Stage Renal Disease. <i>Circulation Research</i> , 2019 ,	15.7	23
49	Hyperglycaemic memory affects the neurovascular unit of the retina in a diabetic mouse model. <i>Diabetologia</i> , 2017 , 60, 1354-1358	10.3	22

48	Angiopoietin-1 is regulated by miR-204 and contributes to corneal neovascularization in KLEIP-deficient mice 2014 , 55, 4295-303		21
47	Retinal digest preparation: a method to study diabetic retinopathy. <i>Methods in Molecular Biology</i> , 2012 , 933, 291-302	1.4	21
46	The angiotensin II type 2 receptors protect renal tubule mitochondria in early stages of diabetes mellitus. <i>Kidney International</i> , 2018 , 94, 937-950	9.9	21
45	Hyperglycemia is associated with reduced testicular function and activin dysregulation in the Ins2 mouse model of type 1 diabetes. <i>Molecular and Cellular Endocrinology</i> , 2017 , 446, 91-101	4.4	20
44	Nucleoside diphosphate kinase B deficiency causes a diabetes-like vascular pathology via up-regulation of endothelial angiopoietin-2 in the retina. <i>Acta Diabetologica</i> , 2016 , 53, 81-9	3.9	20
43	Nucleoside diphosphate kinase B regulates angiogenesis through modulation of vascular endothelial growth factor receptor type 2 and endothelial adherens junction proteins. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2014 , 34, 2292-300	9.4	19
42	Human adipose tissue-derived stromal cells act as functional pericytes in mice and suppress high-glucose-induced proinflammatory activation of bovine retinal endothelial cells. <i>Diabetologia</i> , 2018 , 61, 2371-2385	10.3	19
41	TRPC proteins contribute to development of diabetic retinopathy and regulate glyoxalase 1 activity and methylglyoxal accumulation. <i>Molecular Metabolism</i> , 2018 , 9, 156-167	8.8	18
40	Müller cell reactivity in response to photoreceptor degeneration in rats with defective polycystin-2. <i>PLoS ONE</i> , 2014 , 8, e61631	3.7	18
39	Hyperglycemia induces spermatogenic disruption via major pathways of diabetes pathogenesis. <i>Scientific Reports</i> , 2019 , 9, 13074	4.9	16
38	Soluble epoxide hydrolase promotes astrocyte survival in retinopathy of prematurity. <i>Journal of Clinical Investigation</i> , 2019 , 129, 5204-5218	15.9	14
37	Intravitreal injection of mesenchymal stem cells evokes retinal vascular damage in rats. <i>FASEB Journal</i> , 2019 , 33, 14668-14679	0.9	13
36	Methylglyoxal induces retinopathy-type lesions in the absence of hyperglycemia: studies in a rat model. <i>FASEB Journal</i> , 2019 , 33, 4141-4153	0.9	12
35	Absence of macrophage migration inhibitory factor reduces proliferative retinopathy in a mouse model. <i>Acta Diabetologica</i> , 2017 , 54, 383-392	3.9	10
34	microRNA Expression Profile in the Vitreous of Proliferative Diabetic Retinopathy Patients and Differences from Patients Treated with Anti-VEGF Therapy. <i>Translational Vision Science and Technology</i> , 2020 , 9, 16	3.3	10
33	Anti-angiogenic effects of the DPP-4 inhibitor linagliptin via inhibition of VEGFR signalling in the mouse model of oxygen-induced retinopathy. <i>Diabetologia</i> , 2018 , 61, 2412-2421	10.3	10
32	Activation of Retinal Angiogenesis in Hyperglycemic Zebrafish Mutants. <i>Diabetes</i> , 2020 , 69, 1020-1031	0.9	9
31	Performance of the 1 mg dexamethasone suppression test in patients with severe obesity. <i>Obesity</i> , 2016 , 24, 850-5	8	9

30	Studying Diabetes Through the Eyes of a Fish: Microdissection, Visualization, and Analysis of the Adult tg(fli:EGFP) Zebrafish Retinal Vasculature. <i>Journal of Visualized Experiments</i> , 2017 ,	1.6	9
29	The Role of Long-Lived Plasma Cells in Antibody-Mediated Rejection of Kidney Transplantation: An Update. <i>Kidney Diseases (Basel, Switzerland)</i> , 2019 , 5, 211-219	3.3	8
28	O-GlcNAcylation of FoxO1 mediates nucleoside diphosphate kinase B deficiency induced endothelial damage. <i>Scientific Reports</i> , 2018 , 8, 10581	4.9	7
27	Impaired Purinergic Regulation of the Glial (Müller) Cell Volume in the Retina of Transgenic Rats Expressing Defective Polycystin-2. <i>Neurochemical Research</i> , 2016 , 41, 1784-96	4.6	7
26	Long-term consequences of developmental vascular defects on retinal vessel homeostasis and function in a mouse model of Norrie disease. <i>PLoS ONE</i> , 2017 , 12, e0178753	3.7	6
25	In-Depth Functional Diagnostics of Mouse Models by Single-Flash and Flicker Electroretinograms without Adapting Background Illumination. <i>Advances in Experimental Medicine and Biology</i> , 2016 , 854, 619-25	3.6	5
24	The role of insulin resistance in experimental diabetic retinopathy-Genetic and molecular aspects. <i>PLoS ONE</i> , 2017 , 12, e0178658	3.7	5
23	Iron aggravates hepatic insulin resistance in the absence of inflammation in a novel db/db mouse model with iron overload. <i>Molecular Metabolism</i> , 2021 , 51, 101235	8.8	5
22	A Hepatic GAbp-AMPK Axis Links Inflammatory Signaling to Systemic Vascular Damage. <i>Cell Reports</i> , 2017 , 20, 1422-1434	10.6	4
21	Retinopathy in an obesity WHO III cohort: prevalence and risk factors. <i>British Journal of Ophthalmology</i> , 2017 , 101, 1550-1554	5.5	3
20	Sulforaphane and Vitamin E Protect From Glucotoxic Neurodegeneration and Lifespan Reduction In <i>C. Elegans</i> . <i>Experimental and Clinical Endocrinology and Diabetes</i> , 2021 , 129, 887-894	2.3	3
19	Pro-angiogenic Activity Discriminates Human Adipose-Derived Stromal Cells From Retinal Pericytes: Considerations for Cell-Based Therapy of Diabetic Retinopathy. <i>Frontiers in Cell and Developmental Biology</i> , 2020 , 8, 387	5.7	3
18	Cystoid edema, neovascularization and inflammatory processes in the murine Norrin-deficient retina. <i>Scientific Reports</i> , 2018 , 8, 5970	4.9	3
17	Technical and clinical performance of the thermo-test device "Q-Sense" to assess small fibre function: A head-to-head comparison with the "Thermal Sensory Analyzer" TSA in diabetic patients and healthy volunteers. <i>European Journal of Pain</i> , 2019 , 23, 1863-1878	3.7	3
16	CaM Kinase II- β s Required for Diabetic Hyperglycemia and Retinopathy but Not Nephropathy. <i>Diabetes</i> , 2021 , 70, 616-626	0.9	3
15	Neuronal damage and shortening of lifespan in by peritoneal dialysis fluid: Protection by glyoxalase-1. <i>Biomedical Reports</i> , 2018 , 8, 540-546	1.8	2
14	Accumulation of acetaldehyde in aldh2.1 zebrafish causes increased retinal angiogenesis and impaired glucose metabolism.. <i>Redox Biology</i> , 2022 , 50, 102249	11.3	1
13	Involvement of NDPK-B in Glucose Metabolism-Mediated Endothelial Damage via Activation of the Hexosamine Biosynthesis Pathway and Suppression of O-GlcNAcase Activity. <i>Cells</i> , 2020 , 9,	7.9	1

12	Advancing Diabetic Retinopathy Research: Analysis of the Neurovascular Unit in Zebrafish. <i>Cells</i> , 2021 , 10,	7.9	1
11	Plate-based Large-scale Cultivation of <i>Caenorhabditis elegans</i> : Sample Preparation for the Study of Metabolic Alterations in Diabetes. <i>Journal of Visualized Experiments</i> , 2018 ,	1.6	1
10	Glucosamine protects against neuronal but not vascular damage in experimental diabetic retinopathy. <i>Molecular Metabolism</i> , 2021 , 54, 101333	8.8	1
9	Asparaginyl endopeptidase protects against podocyte injury in diabetic nephropathy through cleaving cofilin-1.. <i>Cell Death and Disease</i> , 2022 , 13, 184	9.8	1
8	miRetrieve-an R package and web application for miRNA text mining.. <i>NAR Genomics and Bioinformatics</i> , 2021 , 3, lqab117	3.7	0
7	MAD2B-mediated cell cycle reentry of podocytes is involved in the pathogenesis of FSGS. <i>International Journal of Biological Sciences</i> , 2021 , 17, 4396-4408	11.2	0
6	Diabetic Retinopathy and Maculopathy. <i>Experimental and Clinical Endocrinology and Diabetes</i> , 2021 , 129, S64-S69	2.3	0
5	Microglial Activation Is Associated With Vasoprotection in a Rat Model of Inflammatory Retinal Vasoregression. <i>Frontiers in Physiology</i> , 2021 , 12, 660164	4.6	0
4	Adverse childhood experiences and late-life diurnal HPA axis activity: Associations of different childhood adversity types and interaction with timing in a sample of older East Prussian World War II refugees.. <i>Psychoneuroendocrinology</i> , 2022 , 139, 105717	5	0
3	Diabetes, the Kidney and Retinopathy 2012 , 153-167		
2	Activity of Glyoxylase 1 is regulated by a glucose-responsive phosphorylation on Tyr136. <i>Molecular Metabolism</i> , 2021 , 101406	8.8	
1	The soluble epoxide hydrolase attenuates pathological vascularization by preventing astrocyte loss in a retinopathy of prematurity model in mice. <i>FASEB Journal</i> , 2018 , 32, 561.2	0.9	